

Amendments to the claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

In the claims:

1-28. (Canceled)

29. (Currently amended) A method of differentiating a ~~premature natural killer cell stem cell~~ into a mature natural killer cell, comprising treating ~~to~~ premature natural killer cells ~~[[,]]~~ with an effective amount of ~~one or more genes selected from a group containing of~~ lysozyme (BC002069), ferritin H chain (BC012314), ~~brevican (X87096), matrix metalloproteinase 12 (BC019135), EIA-stimulated gene cellular inhibitor (AF084524), S100 calcium binding protein A9 (BC027635), MPS1 protein (L20315), transglutaminase 2 (BC016492), serum and glucocorticoid regulated protein kinase (AF139639), RIKEN cDNA 5830413L19 (BC027496), interferon-induced protein (BC003804), milk fat globul membrane protein EGF factor 8 (BC018577), cell surface glycoprotein p91 (U83172), arginase 1 (BC050005), tumor necrosis factor receptor 1 (M59378), retinoid induced serine carboxypeptidase (AF330052), FLJ11000 homologue (BC023802), interleukin 18 binding protein d precursor (AF110803), chloride channel 7 (AK009435), CD36 antigen (BC010262), zink finger protein homologue (BC030186), carbohydrate binding protein 35 (J03723), C-type calcium dependent carbohydrate (BC003218), lipoprotein lipase (NM_008509), v-maf lacertus fibrosarcoma oncogene (BC038256), interleukin 7 receptor (NM_008372), chemokine (C-C) receptor 1 (BC011092) and neurophilin (MGDIMG1:106206)~~ represented by SEQ ID NO:49.

30-36. (Canceled)

37. (New) The method as set forth in claim 29, wherein the nucleotide of the ferritin H chain is represented by SEQ ID NO:50.

38. (New) A method of differentiating a premature natural killer cell into a mature natural killer cell, comprising treating to premature natural killer cells, an effective amount of ferritin H chain (BC012314) represented by SEQ ID NO:49.

39. (New) The method as set forth in claim 37, wherein the nucleotide of the ferritin H chain is represented by SEQ ID NO:50.